

RAW SEQUENCE LISTING

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Application Serial Number: 10/530,584

Source: Pf

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PCT

RAW SEQUENCE LISTING

DATE: 03/02/2006

PATENT APPLICATION: US/10/530,584

TIME: 10:44:47

Input Set : A:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\03022006\J530584.raw

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3 <110> APPLICANT: Molichem Medicines, Inc.
4     Molina , Luis
5     Charles, Romeo J.
7 <120> TITLE OF INVENTION: Nucleic Acids Encoding Duramycin
9 <130> FILE REFERENCE: 11299.105009 MM1020 US
11 <140> CURRENT APPLICATION NUMBER: 10/530,584
12 <141> CURRENT FILING DATE: 2005-04-07
14 <150> PRIOR APPLICATION NUMBER: PCT/US03/29852
15 <151> PRIOR FILING DATE: 2003-09-22
17 <160> NUMBER OF SEQ ID NOS: 19
19 <170> SOFTWARE: PatentIn version 3.3
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 271
23 <212> TYPE: DNA
24 <213> ORGANISM: Streptomyces cinnamoneus
26 <400> SEQUENCE: 1
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29 ttccgcgccg cgctgatcga gaacccggcc gcgttcggtg ctcgaccgc ggtcctgccc      120
31 acgcccgtgg agcagcagga ccaggcgctc ctcgacttct ggaccaagga catcgccgct      180
33 acggaagcct tcgcctgcaa gcagagctgc agcttcggcc cgttcacctt cgtgtgtgac      240
35 ggcaacacca agtaaggcgg ccgttgcctt c      271
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 231
40 <212> TYPE: DNA
41 <213> ORGANISM: Streptomyces cinnamoneus
43 <400> SEQUENCE: 2
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46 aacccggccg cgttcggtgc ctcgaccgcg gtcctgcccc cgcccgtgga gcagcaggac      120
48 caggcgctcc tcgacttctg gaccaaggac atcgccgcta cggaagcctt cgctgcaag      180
50 cagagctgca gtttcggccc gttcaccttc gtgtgtgacg gcaacaccaa g      231
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 77
55 <212> TYPE: PRT
56 <213> ORGANISM: Streptomyces cinnamoneus
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60 Met Thr Ala Ser Ile Leu Gln Ser Val Val Asp Ala Asp Phe Arg Ala
61 1           5           10           15
64 Ala Leu Ile Glu Asn Pro Ala Ala Phe Gly Ala Ser Thr Ala Val Leu
65           20           25           30
68 Pro Thr Pro Val Glu Gln Gln Asp Gln Ala Ser Leu Asp Phe Trp Thr
69           35           40           45
72 Lys Asp Ile Ala Ala Thr Glu Ala Phe Ala Cys Lys Gln Ser Cys Ser
73           50           55           60

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76 Phe Gly Pro Phe Thr Phe Val Cys Asp Gly Asn Thr Lys
77 65              70              75
80 <210> SEQ ID NO: 4
81 <211> LENGTH: 57
82 <212> TYPE: DNA
83 <213> ORGANISM: Streptomyces cinnamoneus
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86 tgcaagcaga gctgcagctt cggcccgctt accttcgtgt gtgacggcaa caccaag      57
89 <210> SEQ ID NO: 5
90 <211> LENGTH: 19
91 <212> TYPE: PRT
92 <213> ORGANISM: Streptomyces cinnamoneus
94 <400> SEQUENCE: 5
96 Cys Lys Gln Ser Cys Ser Phe Gly Pro Phe Thr Phe Val Cys Asp Gly
97 1              5              10              15
100 Asn Thr Lys
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 174
106 <212> TYPE: DNA
107 <213> ORGANISM: Streptomyces cinnamoneus
109 <400> SEQUENCE: 6
110 atgaccgctt cgattcttca gtccgctcgtg gacgccgact tccgcgccgc gctgatcgag      60
112 aaccgcggccg cgttcgggtgc ctgcaccgcg gtccctgccca cggccgtgga gcagcaggac      120
114 caggcgtccc tcgacttctg gaccaaggac atcgccgcta cggaagcctt cgcc      174
117 <210> SEQ ID NO: 7
118 <211> LENGTH: 58
119 <212> TYPE: PRT
120 <213> ORGANISM: Streptomyces cinnamoneus
122 <400> SEQUENCE: 7
124 Met Thr Ala Ser Ile Leu Gln Ser Val Val Asp Ala Asp Phe Arg Ala
125 1              5              10              15
128 Ala Leu Ile Glu Asn Pro Ala Ala Phe Gly Ala Ser Thr Ala Val Leu
129              20              25              30
132 Pro Thr Pro Val Glu Gln Gln Asp Gln Ala Ser Leu Asp Phe Trp Thr
133              35              40              45
136 Lys Asp Ile Ala Ala Thr Glu Ala Phe Ala
137 50              55
140 <210> SEQ ID NO: 8
141 <211> LENGTH: 19
142 <212> TYPE: PRT
143 <213> ORGANISM: Streptomyces griseovorticillatus
145 <400> SEQUENCE: 8
147 Cys Arg Gln Ser Cys Ser Phe Gly Pro Phe Thr Phe Val Cys Asp Gly
148 1              5              10              15
151 Asn Thr Lys
155 <210> SEQ ID NO: 9
156 <211> LENGTH: 19
157 <212> TYPE: PRT
158 <213> ORGANISM: Streptomyces sp,

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162 Cys Arg Gln Ser Cys Ser Phe Gly Pro Leu Thr Phe Val Cys Asp Gly
163 1 5 10 15
166 Asn Thr Lys
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171 <211> LENGTH: 19
172 <212> TYPE: PRT
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178 1 5 10 15
181 Asn Thr Lys
185 <210> SEQ ID NO: 11
186 <211> LENGTH: 19
187 <212> TYPE: PRT
188 <213> ORGANISM: Streptomyces sp.
190 <400> SEQUENCE: 11
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193 1 5 10 15
196 Asn Thr Lys
200 <210> SEQ ID NO: 12
201 <211> LENGTH: 285
202 <212> TYPE: DNA
203 <213> ORGANISM: Streptomyces griseovorticillatus
205 <400> SEQUENCE: 12
206 cctcaacatc ggaggtaagc catgaccgct tccattcttc agcagtcctg cgtggacgcc 60
208 gacttccgcg cggcgctgct tgagaacccc gccgccttcg gcgcttccgc cgcgggccctg 120
210 cccacgcccc tgcaggccca ggaccaggcg tcccttgact tctggaccaa ggacatcgcc 180
212 gccacggaag ccttcgcctg ccgccagagc tgcagcttcg gcccgttcac cttcgtgtgc 240
214 gacggcaaca ccaagtaagt ggctgctgcc tctaggcggt aatgc 285
217 <210> SEQ ID NO: 13
218 <211> LENGTH: 78
219 <212> TYPE: PRT
220 <213> ORGANISM: Streptomyces griseovorticillatus
222 <400> SEQUENCE: 13
224 Met Thr Ala Ser Ile Leu Gln Gln Ser Val Val Asp Ala Asp Phe Arg
225 1 5 10 15
228 Ala Ala Leu Leu Glu Asn Pro Ala Ala Phe Gly Ala Ser Ala Ala Ala
229 20 25 30
232 Leu Pro Thr Pro Val Glu Ala Gln Asp Gln Ala Ser Leu Asp Phe Trp
233 35 40 45
236 Thr Lys Asp Ile Ala Ala Thr Glu Ala Phe Ala Cys Arg Gln Ser Cys
237 50 55 60
240 Ser Phe Gly Pro Phe Thr Phe Val Cys Asp Gly Asn Thr Lys
241 65 70 75
244 <210> SEQ ID NO: 14
245 <211> LENGTH: 19
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence

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249 <220> FEATURE:
250 <223> OTHER INFORMATION: Synthetic primer
252 <400> SEQUENCE: 14
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256 <210> SEQ ID NO: 15
257 <211> LENGTH: 19
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Synthetic primer
264 <400> SEQUENCE: 15
265 gcattaccgc ctagaggca 19
268 <210> SEQ ID NO: 16
269 <211> LENGTH: 20
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Synthetic primer
276 <400> SEQUENCE: 16
277 aacatcggag gtaagccatg 20
280 <210> SEQ ID NO: 17
281 <211> LENGTH: 19
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Synthetic primer
288 <400> SEQUENCE: 17
289 aggcagcagc cacttactt 19
292 <210> SEQ ID NO: 18
293 <211> LENGTH: 19
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Synthetic primer
300 <400> SEQUENCE: 18
301 ttcagcagtc cgtcgtgga 19
304 <210> SEQ ID NO: 19
305 <211> LENGTH: 20
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Synthetic primer
312 <400> SEQUENCE: 19
313 ttgccgtcgc acacgaaggt 20

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VERIFICATION SUMMARY

DATE: 03/02/2006

PATENT APPLICATION: US/10/530,584

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Input Set : A:\SEQUENCE LISTING.txt

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